

In the process that is disclosed in publication JP3-220442A, the determination of an antigen titre by measuring the extent of antibody-mediated aggregation (agglutination) is performed with the aid of a process for measuring the particle sizes of agglomerated magnetic particles that is disclosed in the publication. The process for determining particle size consists in connecting a magnetic field that penetrates the stationary, deposited sample and measuring the residual magnetic flux density of the agglomerated magnetic particles.

Ferrofluids that contain superparamagnetic particles made of chromium dioxide with antibodies that are coupled thereto are known from publication US-4,661,408. It is claimed there that these particles have very short intrinsic relaxation times; they therefore do not meet the requirements for use in remanence measurements.

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